

CLAIMS

1. An agricultural vehicle having a chassis and a cab connected to the chassis by means of a support system which comprises two pairs of hydraulic actuators, each pair of actuators being operative to tilt the cab relative to the chassis about a respective one of two mutually inclined axes, wherein the two actuators of each pair are connected to a common pumping element in such a manner that whenever the volume of hydraulic fluid in one of the actuators in a pair is reduced, the volume of hydraulic fluid in the other actuator of the same pair is correspondingly increased.

2. An agricultural vehicle as claimed in Claim 1, wherein the two pairs of actuators are arranged in a square formation, the actuators of each pair being diagonally, hydraulically coupled.

3. An agricultural vehicle as claimed in Claim 1, wherein each pumping element is a pump connected to the respective pair of actuators, each pair of actuators being connected in a common, closed, hydraulic circuit such that hydraulic fluid is moved by the pump within the closed circuit from one actuator to the other.

4. An agricultural vehicle as claimed in Claim 1, wherein each pumping element comprises a cylinder having two working chambers separated from one another by a movable piston or diaphragm, each of the working chambers being connected in a closed circuit with a respective one of the two actuators of the pair.

5. An agricultural vehicle as claimed in Claim 1, wherein each actuator comprises a hydro-pneumatic unit that additionally acts as a spring and damper.

6. An agricultural vehicle as claimed in Claim 1, further comprising an alarm for generating an alarm signal when the support system approaches a limit of its adjustment range.

7. An agricultural vehicle as claimed in Claim 1, wherein the pumping elements are controlled by an electronic control circuit that receives a signal from a sensor mounted for movement with the cab.

8. An agricultural vehicle as claimed in Claim 7, wherein the sensor is constituted by a games controller.

9. An agricultural vehicle as claimed in Claim 7, wherein a low pass filter is provided for filtering the output signal of the sensor such that the support system will not respond to high frequency roll and pitch movements of the cab resulting from the vehicle travelling over uneven ground.